

Name_____

Date_____

CP Chemistry
Chapter 1 and 2 pt 1 Study Guide

Use your notes to answer the following questions

Define Chemistry

Since chemistry studies matter what is the definition of matter.

What is a physical property of matter? Give some examples.

Define Extensive and Intensive properties.

Classify the following as either a Extensive (E) or an Intensive property (I).

_____ Texture

_____ Length

_____ Mass

_____ Density

_____ Volume

_____ Boiling Point

_____ Luster (Shininess)

_____ Melting Point

_____ Specific Heat

What are mixtures?

What is a pure substance?

Distinguish between elements and compounds?

What are the four symbols we use to designate the phase of substances?

If a salt is aqueous, how could it be recovered?

What are physical and chemical changes?

Classify the following as either a chemical change/property (C) or a physical change/property (P).

_____ Burning Paper

_____ Water melting

_____ Digesting Food

_____ Painting a wall

_____ Water Evaporating

_____ Cutting Wire

_____ A metal shining

_____ Measuring water in a cylinder

_____ Crushing Rock

What are the four things that indicate a chemical change?

What are the properties of metal, nonmetals and metalloids?

What are the rows on the periodic table called? What are the columns called? How are elements sorted into rows and columns?

Who was the first person to develop the Periodic table and how did he arrange the elements on the periodic table?

Define Periodicity

Explain why there were some question marks in the place of elements on the early periodic table?

The density of Ca is 1.55 g/cm^3 and the density of Ba is 3.51 g/cm^3 , estimate the density of Sr. What is your percent error, when the actual density is 2.66 g/cm^3 ?

List the properties AND location on the periodic table of the following types of elements

Alkali Metals

Transition Metals

Noble Gases

Alkaline Earth Metals

Halogens